

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072223\
 Data File : BN026661.D
 Acq On : 22 Jul 2023 19:10
 Operator : MA/JU
 Sample : 03504-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A46S2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 22 23:22:10 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 21 19:02:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	5956	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.625	136	17689	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.467	164	8606	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.215	188	29833	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.414	240	12970	0.400	ng/ul	#-0.01
23) Perylene-d12	23.787	264	15424	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	10246	1.306	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.220	152	6589	0.274	ng/ul	-0.02
18) Fluoranthene-d10	19.246	212	11967	0.266	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.225	88	1053	0.142	ng/ul#	1
5) Naphthalene	10.674	128	21613	0.445	ng/ul	99
7) 2-Methylnaphthalene	12.291	142	7645	0.277	ng/ul	100
8) 1-Methylnaphthalene	12.511	142	5681	0.192	ng/ul	100
10) Acenaphthylene	14.189	152	31686	0.752	ng/ul	98
11) Acenaphthene	14.532	153	27654	0.861	ng/ul	98
12) Fluorene	15.517	166	41878	1.243	ng/ul	99
15) Phenanthrene	17.257	178	643020	6.768	ng/ul	97
16) Anthracene	17.350	178	133038	1.614	ng/ul	96
19) Fluoranthene	19.278	202	1257343	20.682	ng/ul	99
20) Pyrene	19.641	202	335057	5.075	ng/ul	97
21) Benzo(a)anthracene	21.396	228	468939	9.839	ng/ul	99
22) Chrysene	21.449	228	358964	6.616	ng/ul	96
24) Benzo(b)fluoranthene	23.065	252	399996m	6.657	ng/ul	
25) Benzo(k)fluoranthene	23.109	252	181400m	2.880	ng/ul	
26) Benzo(a)pyrene	23.679	252	40875	0.764	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	26.241	276	53884	0.768	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.251	278	52727	0.980	ng/ul#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

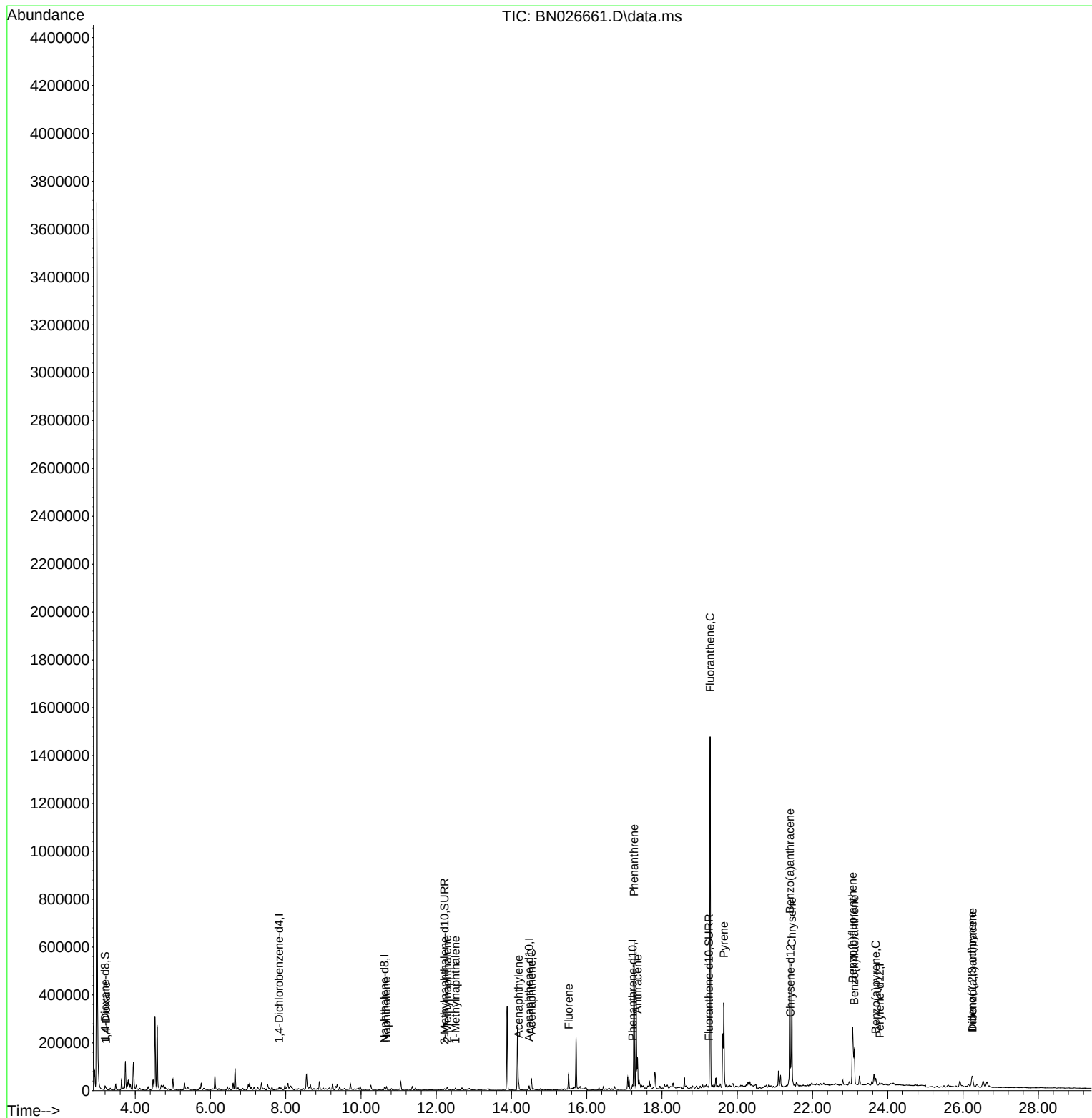
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072223\
Data File : BN026661.D
Acq On : 22 Jul 2023 19:10
Operator : MA/JU
Sample : 03504-16
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ALS Vial : 13 Sample Multiplier: 1

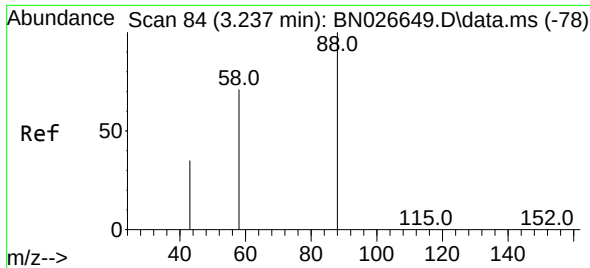
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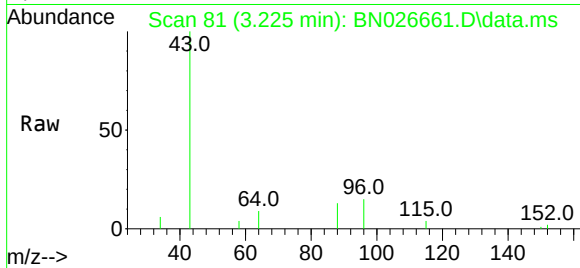
Quant Time: Jul 22 23:22:10 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 21 19:02:16 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.142 ng/ul
RT: 3.225 min Scan# 81
Delta R.T. -0.017 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

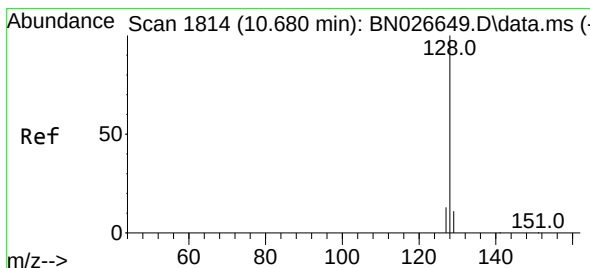
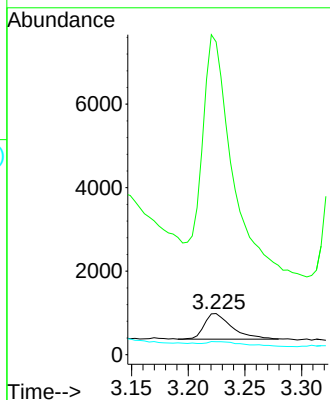
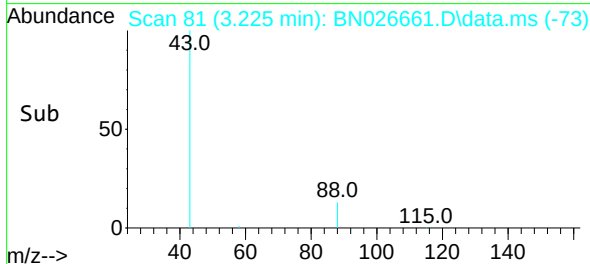
Instrument :
BNA_N
ClientSampleId :
A46S2



Tgt Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 761.6 33.0 49.6
58 31.5 41.7 62.5

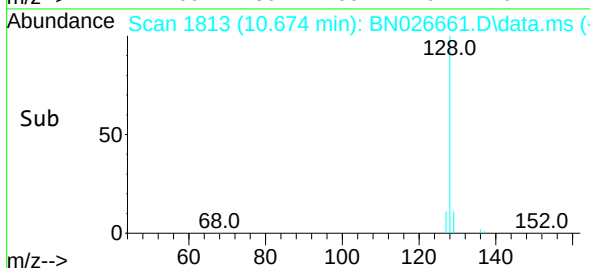
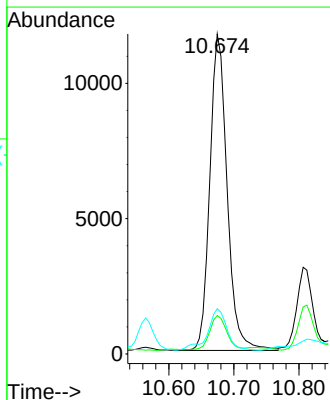
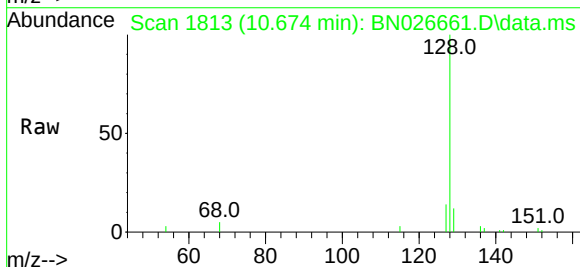
Manual Integrations
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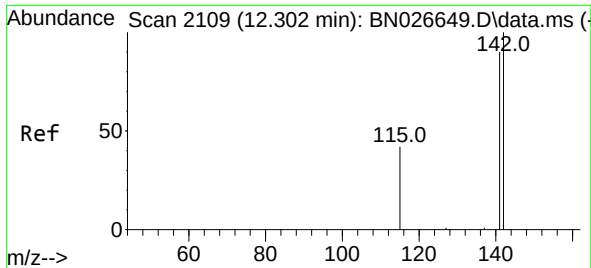
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#5
Naphthalene
Concen: 0.445 ng/ul
RT: 10.674 min Scan# 1813
Delta R.T. -0.016 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

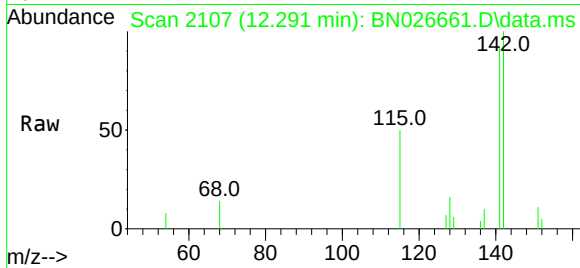
Tgt Ion:128 Resp: 21613
Ion Ratio Lower Upper
128 100
129 12.0 10.2 15.2
127 14.1 11.4 17.0





#7
2-Methylnaphthalene
Concen: 0.277 ng/ul
RT: 12.291 min Scan# 2107
Delta R.T. -0.022 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

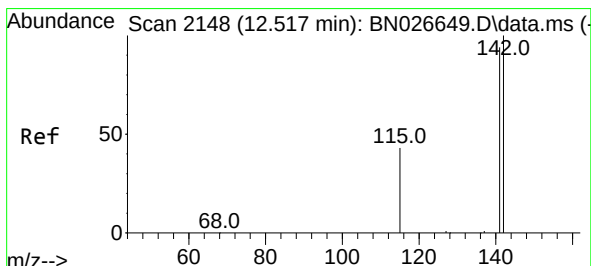
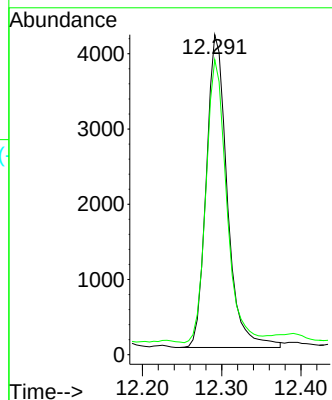
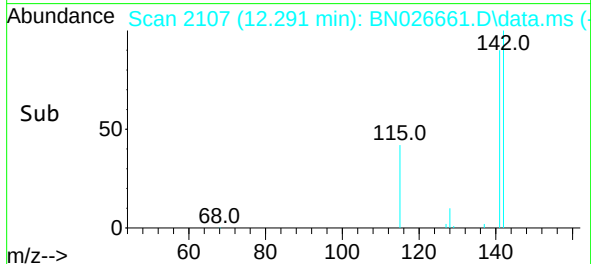
Instrument :
BNA_N
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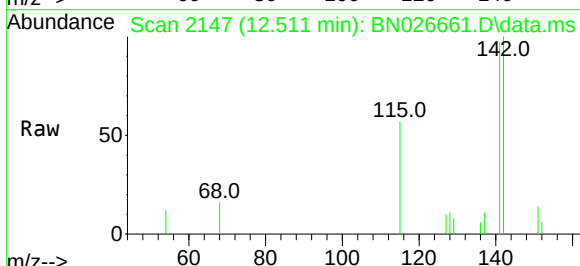
Tgt Ion:142 Resp: 7649
Ion Ratio Lower Upper
142 100
141 90.3 72.3 108.5

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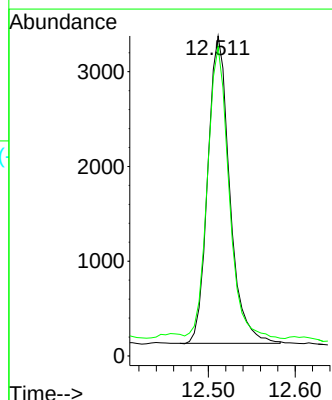
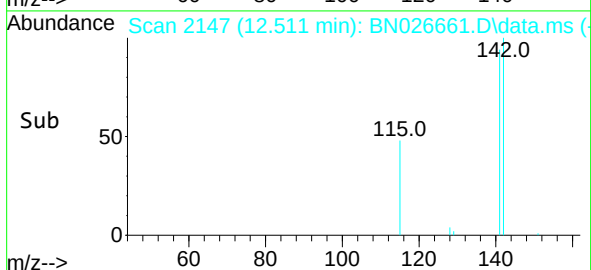
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

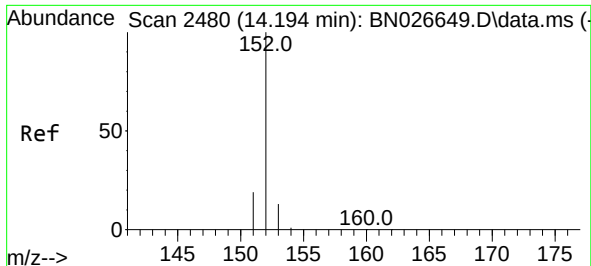


#8
1-Methylnaphthalene
Concen: 0.192 ng/ul
RT: 12.511 min Scan# 2147
Delta R.T. -0.011 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10



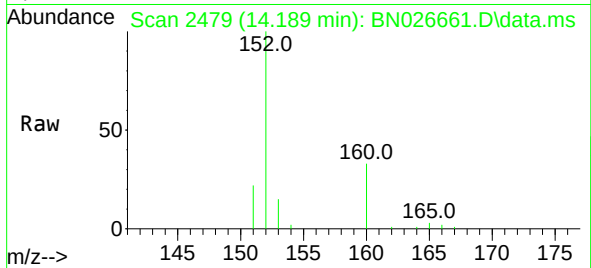
Tgt Ion:142 Resp: 5681
Ion Ratio Lower Upper
142 100
141 93.0 74.5 111.7





#10
Acenaphthylene
Concen: 0.752 ng/ul
RT: 14.189 min Scan# 2480
Delta R.T. -0.009 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

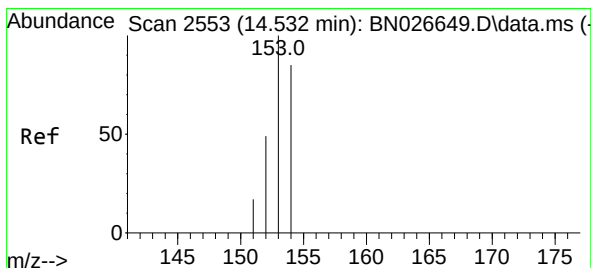
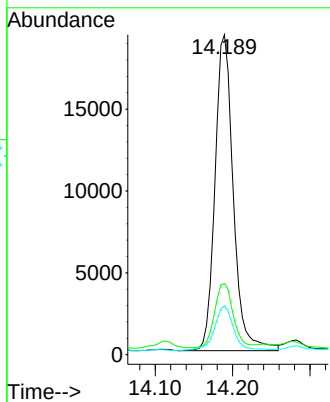
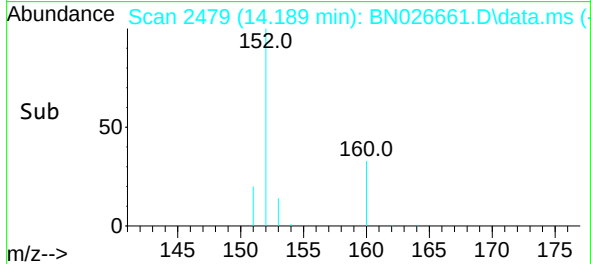
Instrument :
BNA_N
ClientSampleId :
A46S2



Tgt Ion:152 Resp: 31680
Ion Ratio Lower Upper
152 100
151 22.2 17.0 25.6
153 15.2 11.4 17.2

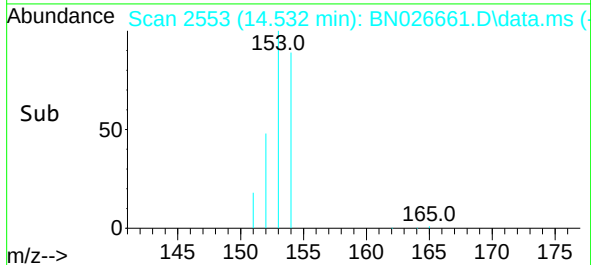
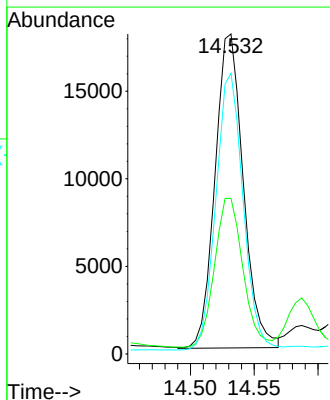
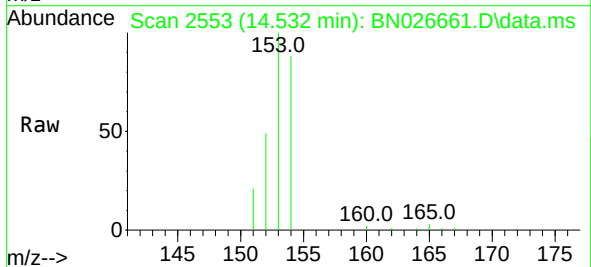
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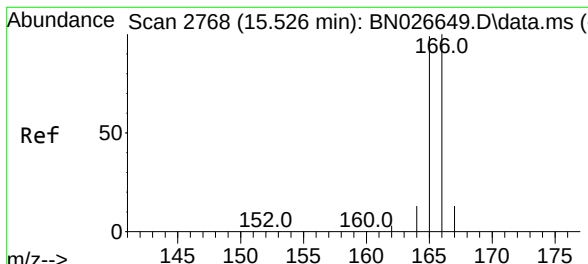
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#11
Acenaphthene
Concen: 0.861 ng/ul
RT: 14.532 min Scan# 2553
Delta R.T. -0.005 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

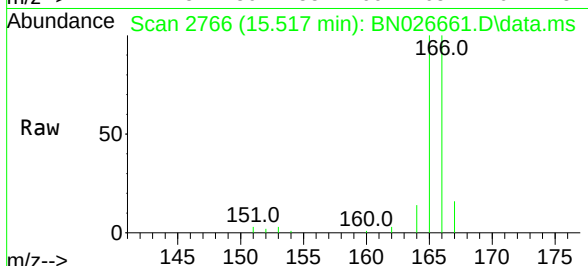
Tgt Ion:153 Resp: 27654
Ion Ratio Lower Upper
153 100
152 48.7 40.2 60.4
154 87.7 69.3 103.9





#12
 Fluorene
 Concen: 1.243 ng/ul
 RT: 15.517 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BN026661.D
 Acq: 22 Jul 2023 19:10

Instrument :
 BNA_N
 ClientSampleId :
 A46S2

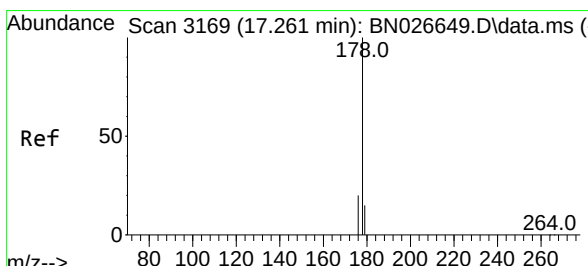
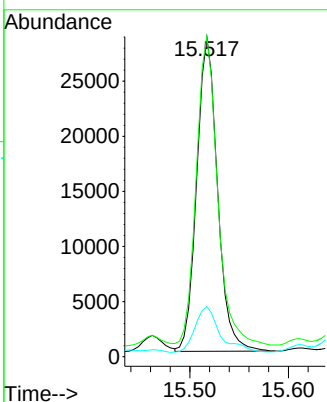


Tgt Ion:166 Resp: 41878

Ion	Ratio	Lower	Upper
166	100		
165	100.2	80.6	120.8
167	15.7	12.0	18.0

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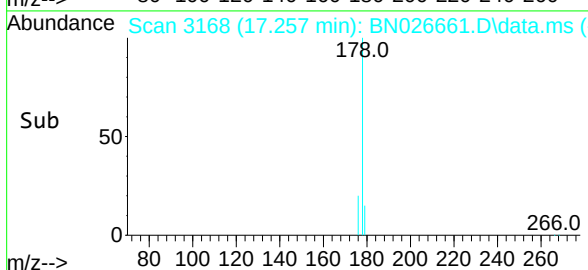
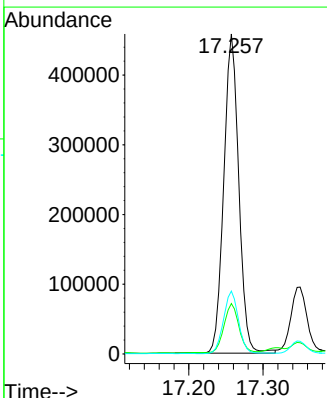
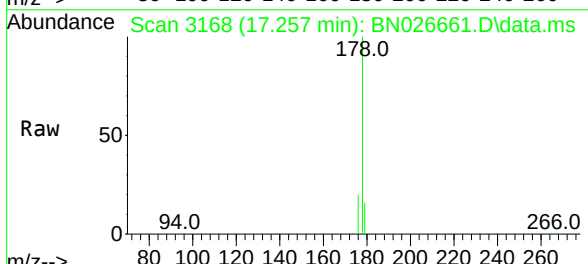
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

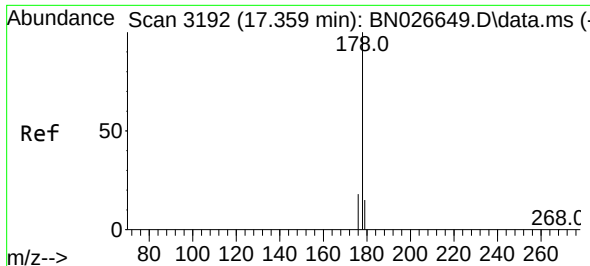


#15
 Phenanthrene
 Concen: 6.768 ng/ul
 RT: 17.257 min Scan# 3168
 Delta R.T. -0.008 min
 Lab File: BN026661.D
 Acq: 22 Jul 2023 19:10

Tgt Ion:178 Resp: 643020

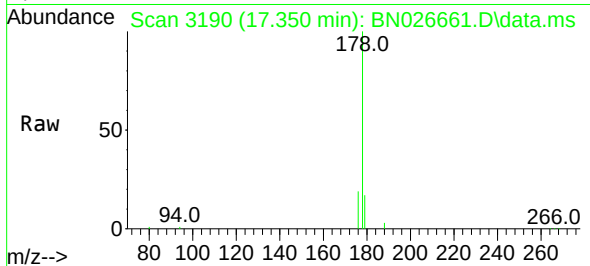
Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.7	20.5
176	19.6	16.5	24.7





#16
 Anthracene
 Concen: 1.614 ng/ul
 RT: 17.350 min Scan# 3190
 Delta R.T. -0.013 min
 Lab File: BN026661.D
 Acq: 22 Jul 2023 19:10

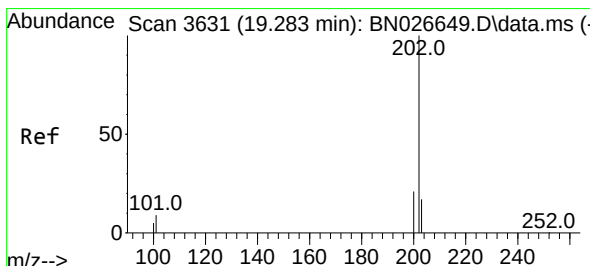
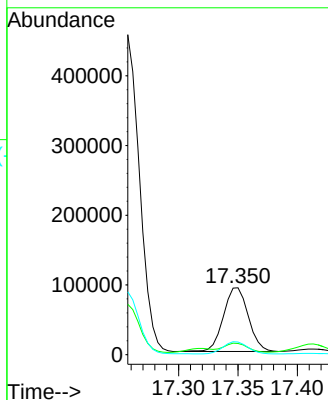
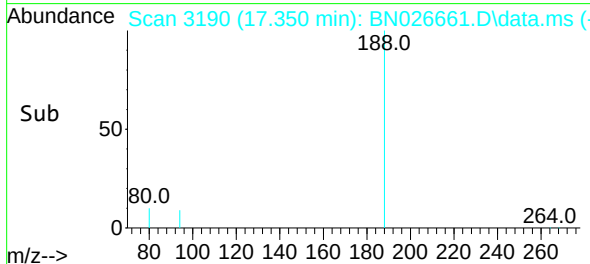
Instrument :
 BNA_N
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 A46S2



Tgt Ion:178 Resp: 133038
 Ion Ratio Lower Upper
 178 100
 179 16.9 14.8 22.2
 176 19.0 16.6 25.0

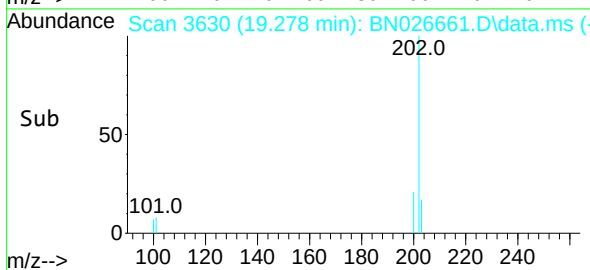
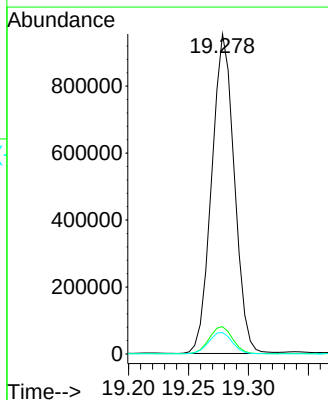
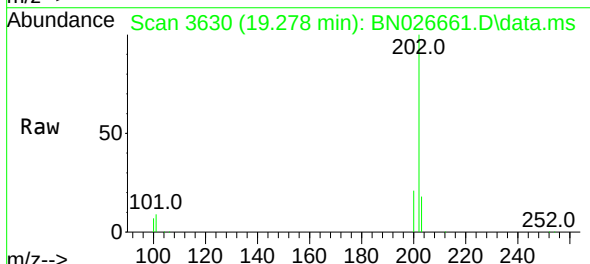
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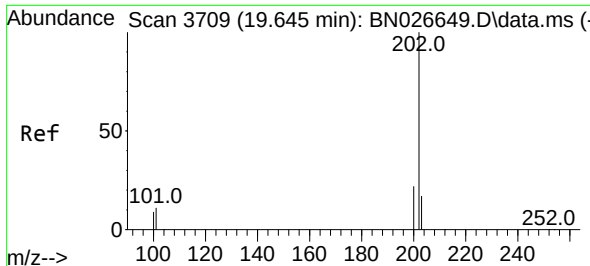
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023



#19
 Fluoranthene
 Concen: 20.682 ng/ul
 RT: 19.278 min Scan# 3630
 Delta R.T. -0.005 min
 Lab File: BN026661.D
 Acq: 22 Jul 2023 19:10

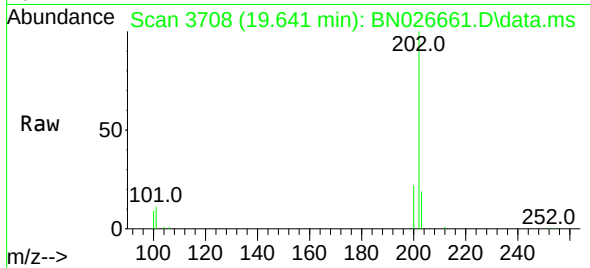
Tgt Ion:202 Resp: 1257343
 Ion Ratio Lower Upper
 202 100
 101 8.6 7.0 10.4
 100 6.7 6.0 9.0





#20
Pyrene
Concen: 5.075 ng/ul
RT: 19.641 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

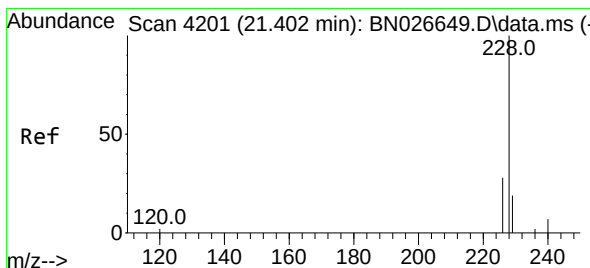
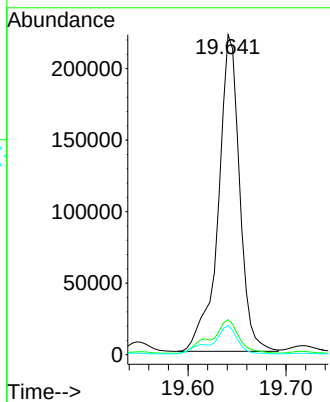
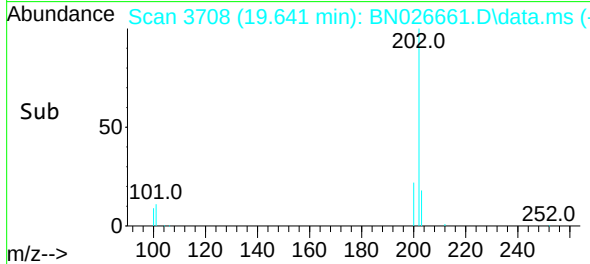
Instrument :
BNA_N
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A46S2



Tgt Ion:202 Resp: 33505
Ion Ratio Lower Upper
202 100
101 11.0 8.0 12.0
100 9.1 6.2 9.2

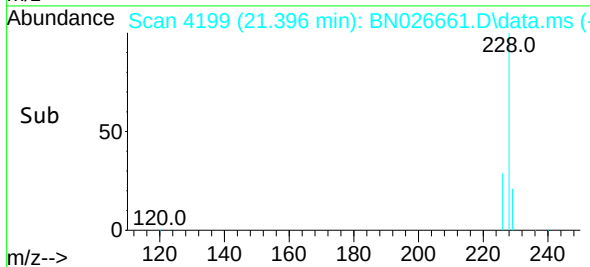
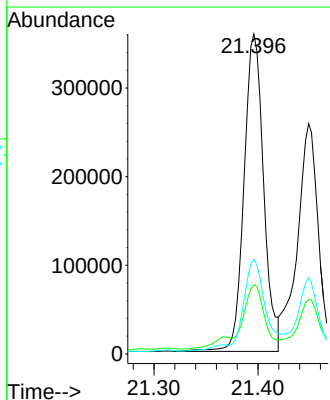
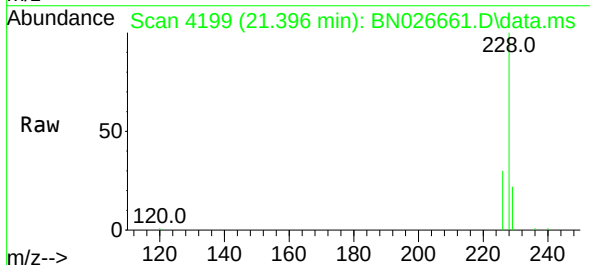
Manual Integrations
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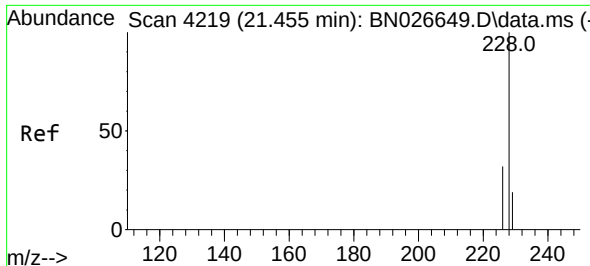
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#21
Benzo(a)anthracene
Concen: 9.839 ng/ul
RT: 21.396 min Scan# 4199
Delta R.T. -0.015 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

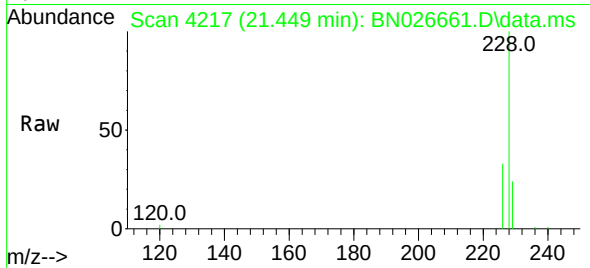
Tgt Ion:228 Resp: 468939
Ion Ratio Lower Upper
228 100
229 21.7 16.7 25.1
226 29.6 23.5 35.3





#22
Chrysene
Concen: 6.616 ng/ul
RT: 21.449 min Scan# 41
Delta R.T. -0.015 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

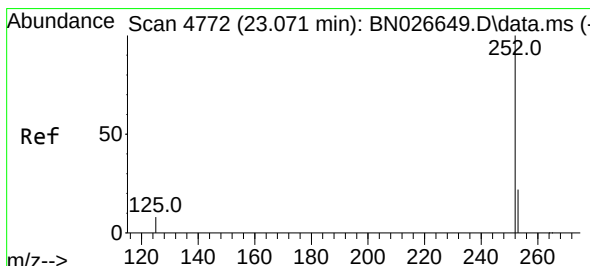
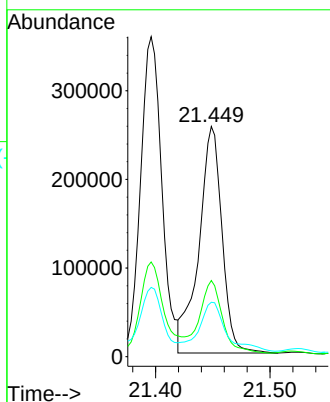
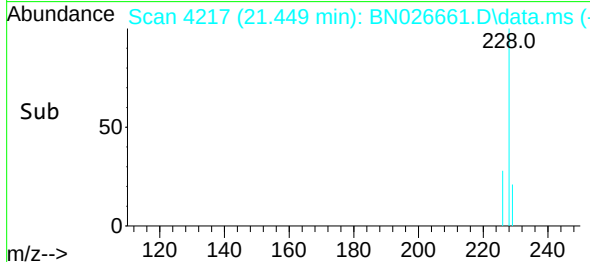
Instrument :
BNA_N
ClientSampleId :
A46S2



Tgt Ion:228 Resp: 358964
Ion Ratio Lower Upper
228 100
226 33.1 25.2 37.8
229 23.6 16.4 24.6

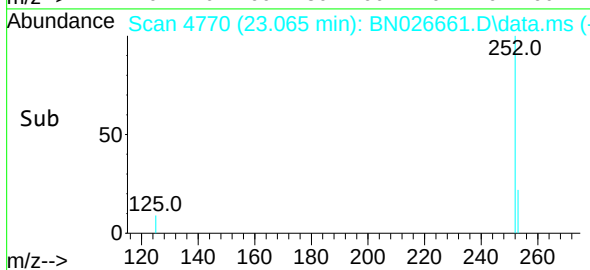
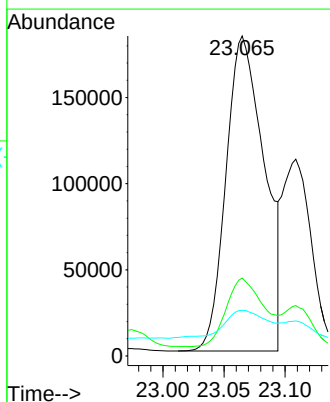
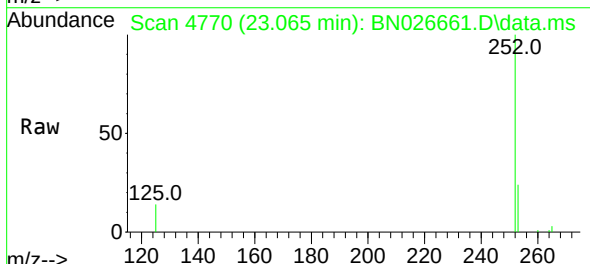
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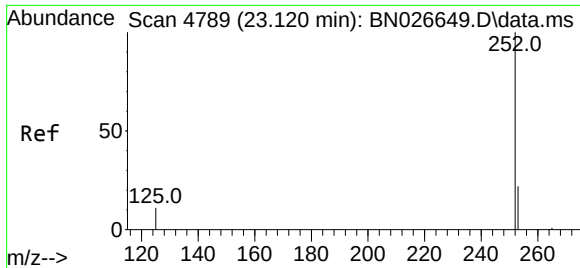
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#24
Benzo(b)fluoranthene
Concen: 6.657 ng/ul m
RT: 23.065 min Scan# 4770
Delta R.T. -0.015 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

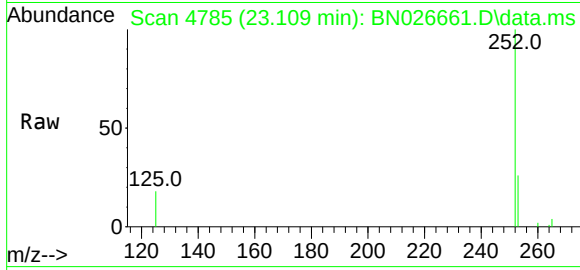
Tgt Ion:252 Resp: 399996
Ion Ratio Lower Upper
252 100
253 24.3 0.0 68.6
125 14.3 0.0 34.0





#25
Benzo(k)fluoranthene
Concen: 2.880 ng/ul m
RT: 23.109 min Scan# 4789
Delta R.T. -0.020 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

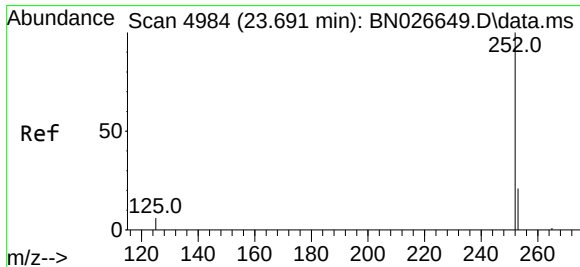
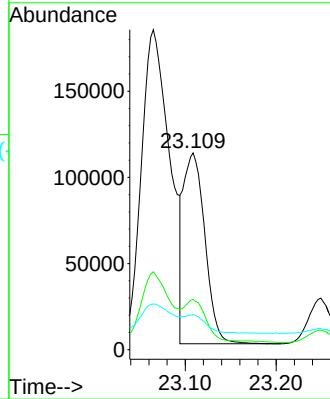
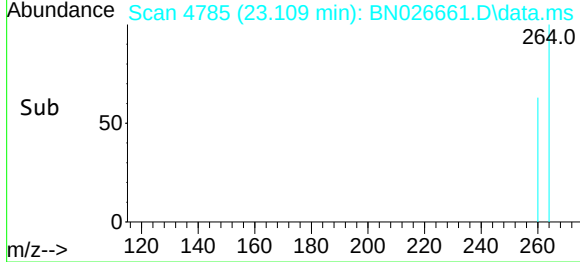
Instrument :
BNA_N
ClientSampleId :
A46S2



Tgt Ion:252 Resp: 181400
Ion Ratio Lower Upper
252 100
253 25.6 27.2 40.8
125 17.8 13.4 20.2

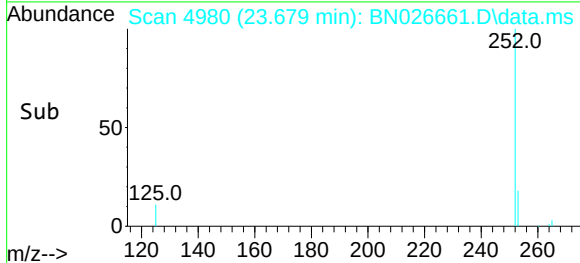
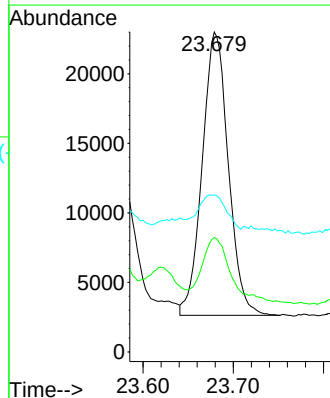
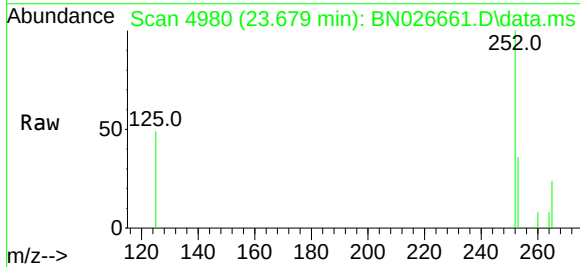
Manual Integrations
APPROVED

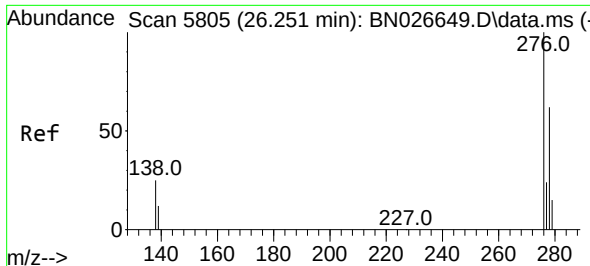
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#26
Benzo(a)pyrene
Concen: 0.764 ng/ul
RT: 23.679 min Scan# 4980
Delta R.T. -0.018 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

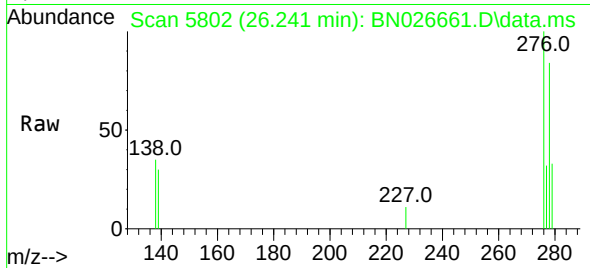
Tgt Ion:252 Resp: 40875
Ion Ratio Lower Upper
252 100
253 35.7 32.6 49.0
125 49.0 19.3 28.9





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.768 ng/ul
RT: 26.241 min Scan# 5802
Delta R.T. -0.017 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10

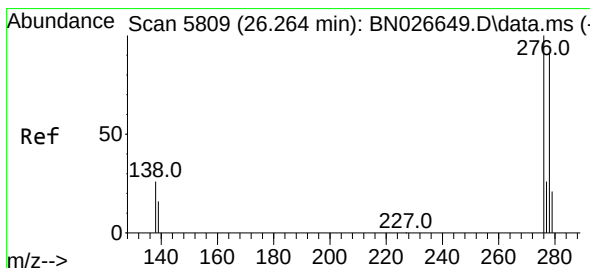
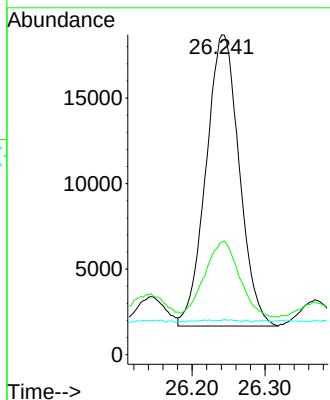
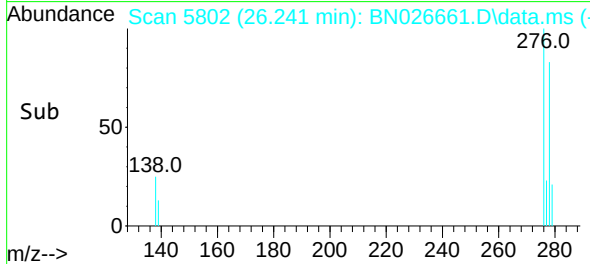
Instrument :
BNA_N
ClientSampleId :
A46S2



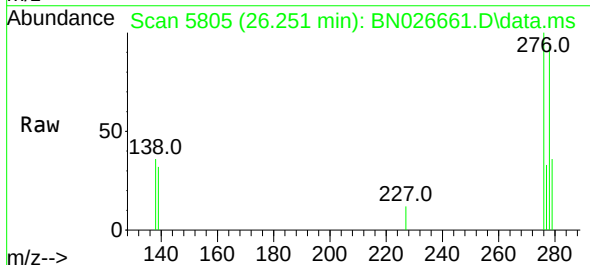
Tgt Ion:276 Resp: 53884
Ion Ratio Lower Upper
276 100
138 27.3 22.2 33.4
227 0.4 0.1 0.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#28
Dibenzo(a,h)anthracene
Concen: 0.980 ng/ul
RT: 26.251 min Scan# 5805
Delta R.T. -0.023 min
Lab File: BN026661.D
Acq: 22 Jul 2023 19:10



Tgt Ion:278 Resp: 52727
Ion Ratio Lower Upper
278 100
139 34.0 18.9 28.3#
279 38.6 31.3 46.9

